Industrial Sewer Facilities Management Tools Using ArcGIS Flex API

Santa Ana Watershed Project Authority (SAWPA)

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SAWPA Background

Regional Water Agency in Santa Ana Watershed

5 Members
25 Employees
3 Field Staff
SAWPA Functions

Regional Watershed Wide Issues:

- Planning/Collaboration
- Water Quality
- Water Resources
- Environmental
- Grants for water projects
- Engineering
- Brine Line/Industrial Sewer
Inland Empire Brine Line

Brine Industrial Waste 10 MGD ~ 70 miles (SAWPA)
Brine Line Mapping Tools

Record Drawings
Land Use/Zoning
Service Area
Dig Alert
Facility Inspections
Facility Maintenance
Software/Development

- Flex API – UI and GIS
- SQL Server - Database
- C#, Fluorine Fx - Flex/DB communication
- Email2DB – parse emails (Dig Alert)

Development started 2011
Demo
Conclusion

- Successful 99%+ up time
- Marked ~9,000 Dig Alert tickets
- Hundreds of Inspections
- ESRI Training valuable
- Flex API Website very helpful
- Future migration to Javascript